

WOLFGANG KNAUSS YOUNG INVESTIGATOR AWARD



This new award has recently been approved by the Society of Experimental Mechanics (SEM) with the support of its Time Dependent Materials Technical Committee and the Mechanics of Time

Dependent Materials Journal and Conference. The award is a special achievement award for young investigators and has been named in honor of Professor Wolfgang G. Knauss, Theodore von Karman Professor of Aeronautics (Emeritus), California Institute of Technology.

The award will be given annually by the SEM in recognition of an individual who has made significant research contributions to the broad field of experimental mechanics, with a focus on time dependent materials. For the purpose of this award, the broad field will encompass all areas of Mechanics (solid as well as fluid) and all fields of engineering and applied science that involve mechanics. Nominees for this award must not have reached their 40th birthday at the time of selection by the Award Committee. The award will be given at the biannual Mechanics of Time-Dependent Materials Conference and the awardee(s) will present (a) special lecture(s) at the conference.

2018 WOLFGANG KNAUSS YOUNG INVESTIGATOR AWARD: TAKENOBU SAKAI

In recognition of an individual who has made significant research contributions to the broad field of experimental mechanics, with a focus on time dependent materials

Takenobu Sakai is an Associate Professor of the Graduate School of Science and Engineering Program in Mechanical Engineering and Science, Saitama University in Japan. He obtained his B.S. in Mechanical Engineering from Tokyo University of Science, Japan in 2000, and his M.S. and Ph.D. in Mechanical Engineering from Keio University, Japan in 2002 and 2007 respectively. He joined the Department of Mechanical Engineering, Tokyo University of Science as an Assistant Professor for 1 year, and then he moved to Tokyo Metropolitan University as an Assistant Professor for 5 years. Since 2014, he joined Saitama University as an Associate Professor. His research focuses on viscoelasticity of polymer, composite materials and bio-materials, molecular dynamics simulation and acoustic emissions.

B.J. LAZAN AWARD



This award was established in 1967 to recognize individuals who have made outstanding original technical contributions to experimental mechanics. In 1973 this award was named in honor of Dr. Benjamin

J. Lazan, a pioneer in his field who achieved recognition in dynamic testing, vibration, materials damping, and fatigue.

The award honors inventors, developers, or contributors to the introduction of new devices or methods.

PAST RECIPIENTS:

G. Ellis	1968
A.C. Ruge	1969
F. Zandman	1970
D.R. Harting	1971
D. Post	1972
S.S. Manson	1973
J.F. Bell	1974
M.E. Fourney	1975
J.C. Telinde	1976
G.R. Irwin	1977
W.T. Bean	1978
M. Leven	1979
J.E. Starr	1980
A.S. Kobayashi	1981
S.J. Green	1982
K.A. Stetson	1983
I.M. Daniel	1984
A. Lagarde	1985
A.J. Durelli	1986
D.L. Brown	1987
S.P. Wnuk	1988
H.F. Brinson	1989
M.M. Lemcoe	1990
C.A. Sciammarella	1991
W.H. Peters III	1992
M.A. Sutton	1992
W.F. Ranson	1992
F-P. Chiang	1993
C.W. Smith	1995

A.J. Rosakis	1996
J. McKelvie	1997
M.Y.Y. Hung	1998
D.F. Adams	1999
W.G. Knauss	2000
W.N. Sharpe, Jr.	2001
A. Shukla	2002
K.M. Liechti	2003
Y. Morimoto	2004
G. Ravichandran	2005
Y.J. Chao	2006
S. Nemat-Nasser	2007
H.D. Espinosa	2008
E.E. Gdoutos	2009
I. Emri	2010
N. Sottos	2011
K.T. Ramesh	2012
G.S. Schajer	2013
François Hild	2014
Michel Grédiac	2015
D.E. Adams	2016
F. Pierron	2017

2018 B.J. LAZAN AWARD: DANIEL RITTEL

For his seminal contributions to the scientific and technological understanding of behavior of materials under extreme loading conditions.

Daniel Rittel holds the Zandman Chair in Experimental Mechanics and head of the Materials Mechanics Center at the Faculty of Mechanical Engineering, Technion, Israel. His interests are in the field of thermomechanics and physics of dynamic failure, with emphasis on dynamic fragmentation, fracture and shear localization. He is also active in the field of biomechanics of dental implants.

D. Rittel is a Fellow of the Society for Experimental Mechanics (SEM) and of the American Society of Mechanical Engineers (ASME). As of today, he has co-authored about 160 journal publications. Dr. Rittel is Associate Editor of Experimental Mechanics (formerly), Mechanics of Materials, the International Journal of Engineering Science, as well as the International Journal of Impact Engineering).